

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (PREVIOUSLY PRESENTED) A filtration system for filtering particulates from air flowing in an upstream to downstream direction in an air flow channel, comprising:

a plurality of point ionization sources, each of said plurality of point ionization sources located in the proximity of the periphery of said air flow channel and being oriented to generate ions in the proximity of said air flow channel in a direction generally upstream from each respective one of said plurality of point ionization sources, said ions predominately having an electrical charge with respect to ground; and

a particulate collection surface positioned within said air flow channel in a downstream direction from said plurality of point ionization sources, said particulate collection surface being permanently electret charged in an opposite direction with respect to ground than said electrical charge of said ions.

2. (ORIGINAL) A filtration system as in claim 1 wherein each of said plurality of point ionization sources comprises an ionization head having a major longitudinal axis.

3. (ORIGINAL) A filtration system as in claim 2 in which said major longitudinal axis of said ionization head is oriented in an orientation angle with respect to said upstream to downstream direction and wherein said orientation angle is not more than sixty degrees inward toward said air flow channel and not more than ninety degrees outward away from said air flow channel.

4. (ORIGINAL) A filtration system as in claim 2 wherein said ionization head comprises a multi-point ionization head.

5. (ORIGINAL) A filtration system as in claim 1 further comprising a fan arranged for operative use with said air flow channel for moving said air in said upstream to downstream direction through said air flow channel.

6. (ORIGINAL) A filtration system as in claim 1 wherein said particulate collection surface comprises a filter.

Claims 7-31 (CANCELLED)

32. (PREVIOUSLY PRESENTED) A filtration system for filtering particulates from air flowing in an upstream to downstream direction in an air flow channel, comprising:

- a point ionization source being oriented to generate ions in the proximity of said air flow channel, said ions predominately having an electrical charge with respect to ground; and

- a particulate collection surface positioned within said air flow channel in a downstream direction from said point ionization source, said particulate collection surface being permanently electret charged in an opposite direction with respect to ground than said electrical charge of said ions;

- a portion of said air flow being directed past said ionization source in a direction generally opposite to said upstream to downstream direction.

33. (ORIGINAL) A filtration system as in claim 32 wherein said portion of said air flow is air flow which is downstream of said particulate collection surface.

34. (ORIGINAL) A filtration system as in claim 32 which further comprises a flow channel at least partially surrounding at least a portion of said point ionization source.

35. (ORIGINAL) A filtration system as in claim 34 in which said portion of said air flow is directed through said flow channel.

36. (PREVIOUSLY PRESENTED) A filtration system as in claim 32 wherein said point ionization source comprises a multi-point ionization head.

37. (ORIGINAL) A filtration system as in claim 32 further comprising a fan arranged for operative use with said air flow channel for moving said air in said upstream to downstream direction through said air flow channel.

38. (ORIGINAL) A filtration system as in claim 32 wherein said particulate collection surface comprises a filter.

Claims 39-47 (CANCELLED).